

# Mail & DNS programming challenge

The Bioinformatics Lab - 2012

# DNS zone files

```
;
; BIND data file for tbl zone
;
$TTL      86400
@         IN      SOA     yannick.tbl. root.yannick.tbl. (
                        12051501      ; Serial
                        604800        ; Refresh
                        86400         ; Retry
                        2419200       ; Expire
                        86400 )       ; Negative Cache TTL
;
@         IN      NS      yannick.tbl.

lkajan    A       192.168.16.2
ariane    A       192.168.16.3
benjamin  A       192.168.16.4
carina    A       192.168.16.5
cedric    A       192.168.16.6
christian A       192.168.16.7
christof  A       192.168.16.8
daniel    A       192.168.16.9
diana     A       192.168.16.10
eva       A       192.168.16.11
jens      A       192.168.16.12
julia     A       192.168.16.13
yannick   A       192.168.16.14
simon     A       192.168.16.15
```

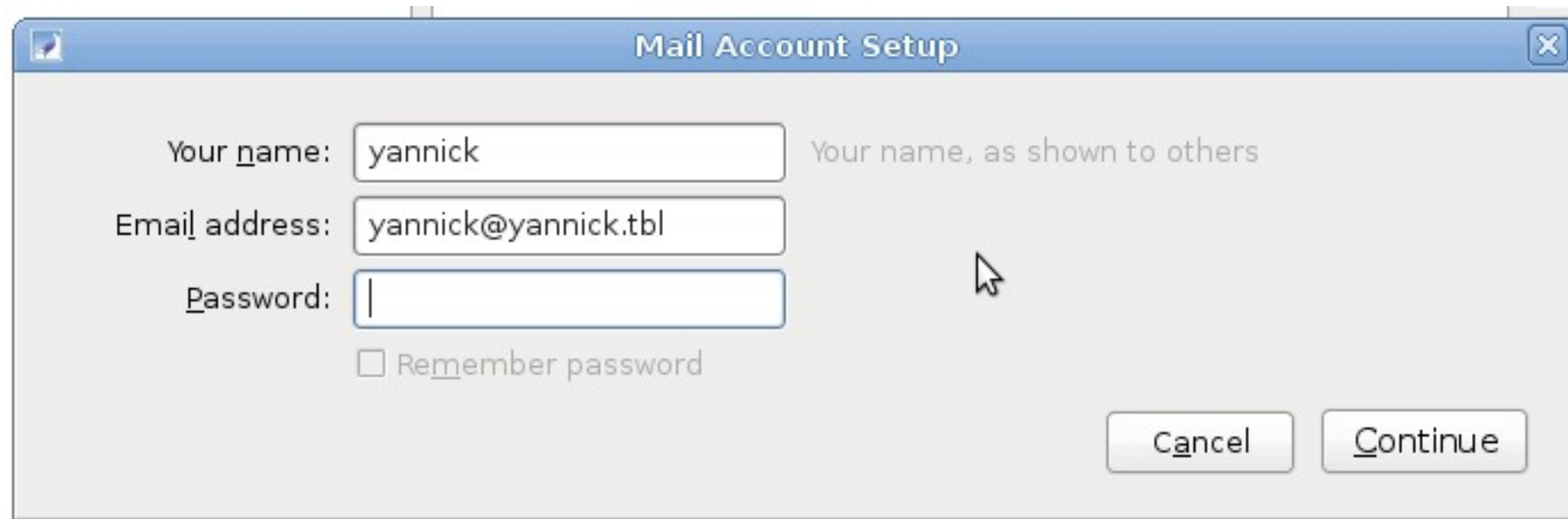
forward DNS lookup

```
;
; BIND reverse data file for tbl zone
;
$TTL      86400
@         IN      SOA     yannick.tbl. root.yannick.tbl. (
                        12051201      ; Serial
                        604800        ; Refresh
                        86400         ; Retry
                        2419200       ; Expire
                        86400 )       ; Negative Cache TTL
;
@         IN      NS      yannick.tbl.

2        PTR      lkajan.tbl.
3        PTR      ariane.tbl.
4        PTR      benjamin.tbl.
5        PTR      carina.tbl.
6        PTR      cedric.tbl.
7        PTR      chrisitan.tbl.
8        PTR      christof.tbl.
9        PTR      daniel.tbl.
10       PTR      diana.tbl.
11       PTR      eva.tbl.
12       PTR      jens.tbl.
13       PTR      julia.tbl.
14       PTR      yannick.tbl.
15       PTR      simon.tbl.
```

reverse DNS lookup

# Icedove



A screenshot of a 'Mail Account Setup' dialog box. The dialog has a title bar with a close button. It contains three text input fields: 'Your name:' with the value 'yannick', 'Email address:' with the value 'yannick@yannick.tbl', and 'Password:' which is empty. To the right of the 'Your name:' field is the text 'Your name, as shown to others'. Below the 'Password:' field is a checkbox labeled 'Remember password'. At the bottom right are 'Cancel' and 'Continue' buttons. A mouse cursor is pointing at the 'Continue' button.

Mail Account Setup

Your name: yannick Your name, as shown to others

Email address: yannick@yannick.tbl

Password: |

☐ Remember password

Cancel Continue

**Mail Account Setup**

Your name:  Your name, as shown to others

Email address:

Password:

☐ Remember password



**Mail Account Setup**

Your name: yannick Your name, as shown to others

Email address: yannick@yannick.tbl

Password: ●●●●●●●●●●

☒ Remember password [Start over](#)

**Icedove has found the settings for your email account.**

Username: yannick

	Incoming:	yannick.tbl	IMAP	143	STARTTLS
	Outgoing:	yannick.tbl	SMTP	25	None

# Icedove



# .procmailrc

- Maildir configuration
- if work and exam in subject autoreply to sender that ill
- independent rules for work and exam in subject - don't come to action if first rule is triggered

```
# Maildir:
DEFAULT="$HOME/Maildir/"

:0 H c:
* !^X-Loop: yannick@yannick.tbl
* ^Subject: .*exam.*
* ^Subject: .*work.*
| (formail -r -I"Precedence: junk" \
-A"X-Loop: yannick@yannick.tbl" ; \
echo "I am ill..." \
) | $SENDMAIL -t

:0 HE c:
* !^X-Loop: yannick@yannick.tbl
* ^Subject: .*work.*
| (formail -r -I"Precedence: junk" \
-A"X-Loop: yannick@yannick.tbl" ; \
echo "I am busy preparing an exam..." \
) | $SENDMAIL -t

:0 HE c:
* !^X-Loop: yannick@yannick.tbl
* ^Subject: .*exam.*
| (formail -r -I"Precedence: junk" \
-A"X-Loop: yannick@yannick.tbl" ; \
echo "I am busy working..." \
) | $SENDMAIL -t
```

**thanks**